

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ROBERT M. JR. ET AL. }
APPLN. NO.: 09/451,319 }
FILED: NOVEMBER 30, 1999 }
PREPARATION OF CONCENTRATED }
AQUEOUS BROMINE SOLUTIONS AND }
BIOCIDAL APPLICATIONS THEREOF }

CONFIRMATION NO. 8868

Customer No.: 65895

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

REFILED SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Enclosed herewith for consideration by the Examiner is a Seventh Supplemental Information Disclosure Form PTO/SB/08a. There are two foreign patents listed and enclosed. This Information Disclosure Statement is a refiling of the original Seventh Supplemental IDS mailed to the USPTO on May 9, 2003, reporting references in a Search Report in a related foreign application. At the time the original Seventh Supplemental IDS was mailed, this application had been suspended by the USPTO, and the original Seventh Supplemental IDS was never recorded by the USPTO as having been filed. A copy of the original Seventh Supplemental IDS as mailed is attached.

Respectfully Submitted,

/Mary H. Drabnis/

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CERTIFICATE OF SUBMISSION

I hereby certify that, in the course of ordinary business, this paper (along with any referred to as being attached or enclosed) is being submitted to the United States Patent and Trademark Office via EFS-Web on the date indicated below.

Date: January 12, 2012

Signed: Gina R. Merritt
Gina R. Merritt

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ROBERT M. MOORE, JR., ET AL.

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SERIAL NO.: 09/451,319

} GROUP ART UNIT: 1616

FILED: NOVEMBER 30, 1999

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PREPARATION OF CONCENTRATED
AQUEOUS BROMINE SOLUTIONS AND
BIOCIDAL APPLICATIONS THEREOF

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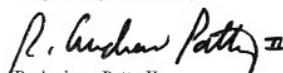
} EXAMINER: ALTON N. PRYOR

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Enclosed herewith for consideration by the Examiner is a Seventh Supplemental Information Disclosure Form PTO-1449 (modified) together with a copy of each document listed thereon. Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. A copy of the relevant pages of the International Search Report are also enclosed.

Respectfully Submitted,



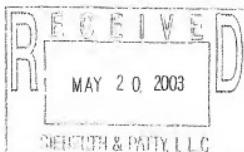
R. Andrew Patty II
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Signing Under Rule 34

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CERTIFICATE OF MAILING

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited on the date shown below with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

May 9, 2003
Date



U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/451,319
Seventh Supplemental (use as many sheets as necessary)		Filing Date	11/30/1999
		First Named Inventor	Moore, Jr., et al.
		Art Unit	1616
		Examiner Name	Alton N. Pryor
		Attorney Docket Number	SL 2073-D
Sheet	1	of	1

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner _____ **Date** _____
Signature _____

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.
³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year

of the reign of the Emperor must precede the serial number of the patent document.³ Kind of document by the appropriate symbols as defined on the document under WIPO Standard ST.16 if possible.⁴ Applicant is to place a check mark here if English language is attached. Burden of Proof Statement: This form is estimated to take 2.0 hours to complete.⁵ Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INTERNATIONAL SEARCH REPORT

National Application No

PCT/US 02/32300

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C02F1/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 080 641 A (NALCO CHEMICAL CO) 7 March 2001 (2001-03-07) paragraph '0023; claims	1-4, 6, 7, 11, 12, 14, 15, 19
X	WO 96 14092 A (GRACE W R & CO) 17 May 1996 (1996-05-17) page 5, line 31-33; claims page 8, line 33 -page 9, line 3	1-3, 8-11, 16-19
A	EP 0 311 954 A (NALCO CHEMICAL CO) 19 April 1989 (1989-04-19) page 3, line 13-16	1-19

 Further documents are listed in the continuation of box C

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority (claims) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

14 February 2003

21/02/2003

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Authorized officer

Serra, R

INTERNATIONAL SEARCH REPORT

In relation on patent family members

International Application No.
PCT/US 02/32300

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 1080641	A 07-03-2001	US AU BR EP NO WO	6419879 B1 6395400 A 0013130 A 1080641 A2 20004055 A 0111954 A2	16-07-2002 13-03-2001 17-12-2002 07-03-2001 13-02-2001 22-02-2001
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Applicants Robert M. Moore, Jr., et al.

Serial No. 09/451,319 Filed November 30, 1999

Case No. SU-7073-D

Item(s) Enclosed 1-Page Seventh Supplemental Information
Disclosure Statement; 2-Page International Search
Report; Form PTO/SE/08A w/2 References

Due Date

Deposit Account Order No. Amount \$

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